



# *The Common European Language Data Space*

Online Stakeholders' Workshop

# Agenda

- 08.50 – 09.00: **Opening of the Webex conference room**
- 09.00 – 09.30: **Welcome and Scene-Setting**
- 09.30 – 10.50: **Tour de table/Exchanges/Q&A**
- 10.50 – 11.00: **Conclusions and wrap-up**

# Why are we here today?

A new opportunity for more **language data, tools and services** and for their monetisation.

EC

We will present...

- what the Language Data Space (LDS) is
- how stakeholders can benefit from it



*Cross-fertilisation for a mutual gain*

Stakeholders

You can share...

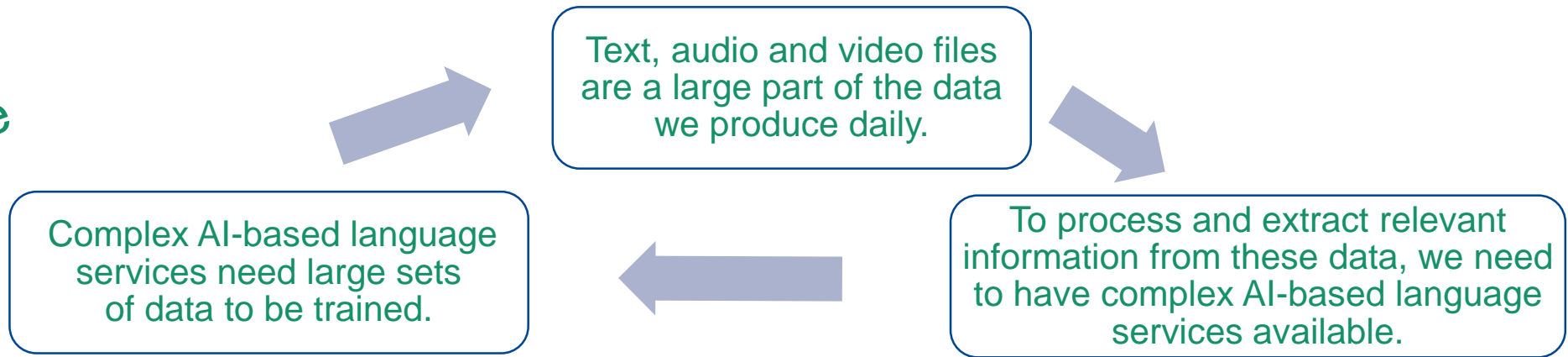
- insights into your specific needs to be met in the LDS
- your thoughts on the LDS set-up and how to improve it

# Language Data Space... What is it?

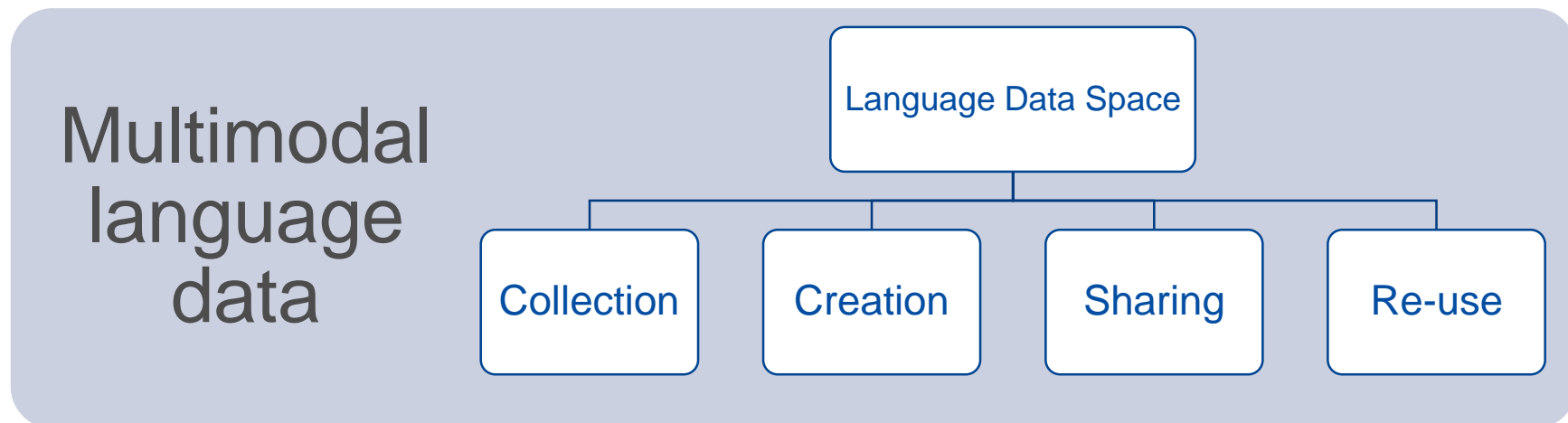
**Goal**

## Increase Data Exchange

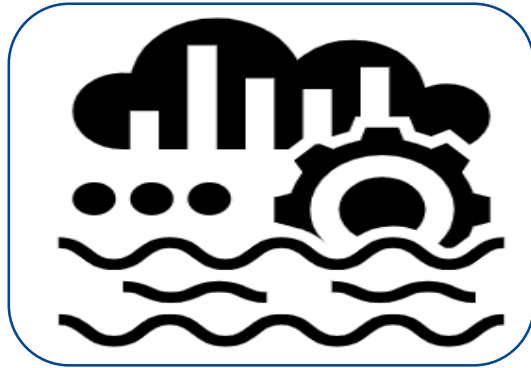
**Where we are**



**What we offer**

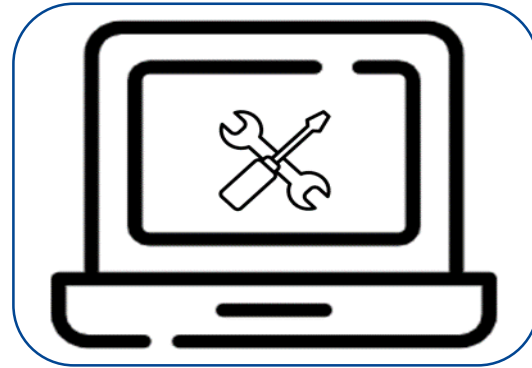


# What's in it for you



**Data sharing  
against  
remuneration**

E.g., multilingual  
and/or multimodal  
data



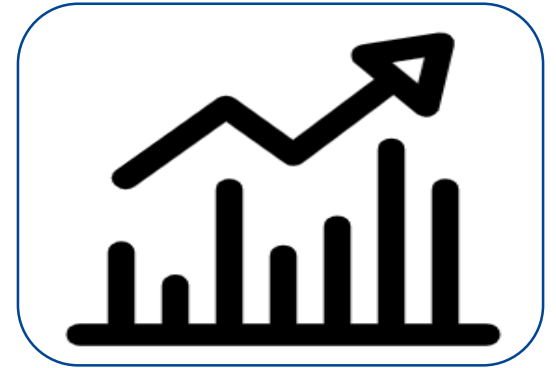
**Developing,  
selling and  
purchasing  
language-based  
applications,  
tools and models**

E.g., automatic  
speech  
transcription



**Developing,  
selling and  
purchasing  
language-based  
services**

E.g., automatic text  
summarisation



**Performing data  
analytics and  
further exploiting  
the market for  
more reach and  
visibility**

E.g., historical data

# Your involvement in the LDS initiative

## Short-Term Today's Meeting

- Presenting and exchanging ideas on the LDS to give further shape to the project

## Medium-Term June – September 2022

- Finding out more about the LDS (call for tenders publication)
- Taking part in (consortia) proposals

## Long-Term From January 2023 onwards

- Participating in the deployment of the LDS
- Using the LDS as a platform and marketplace
- Being part of the LDS community

# 'Origins' of the Common European Data Spaces

## Common European Data Spaces

They are meant to harness the **value of data** for the benefit of the European economy and society.

are the centrepiece of the



Objectives



## European Strategy for Data

In February 2020, it announced the Commission's vision to empower businesses, public administrations and individuals to make better decisions **through the use of data**.

The creation of EU-wide common, interoperable DSs in strategic sectors is to **overcome existing legal and technical barriers** to data sharing and, as such, **unleash the potential of data-driven innovation**.

→ More data shared in a privacy-compliant, trustworthy, and secure way.

→ **A genuine single market for data.**

# Framework Programme of DSs and LDS

The [Digital Europe Programme \(DIGITAL\)](#) provides funding for projects in five crucial areas:



Programme VISION  
Digital Decade and digital targets for 2030.

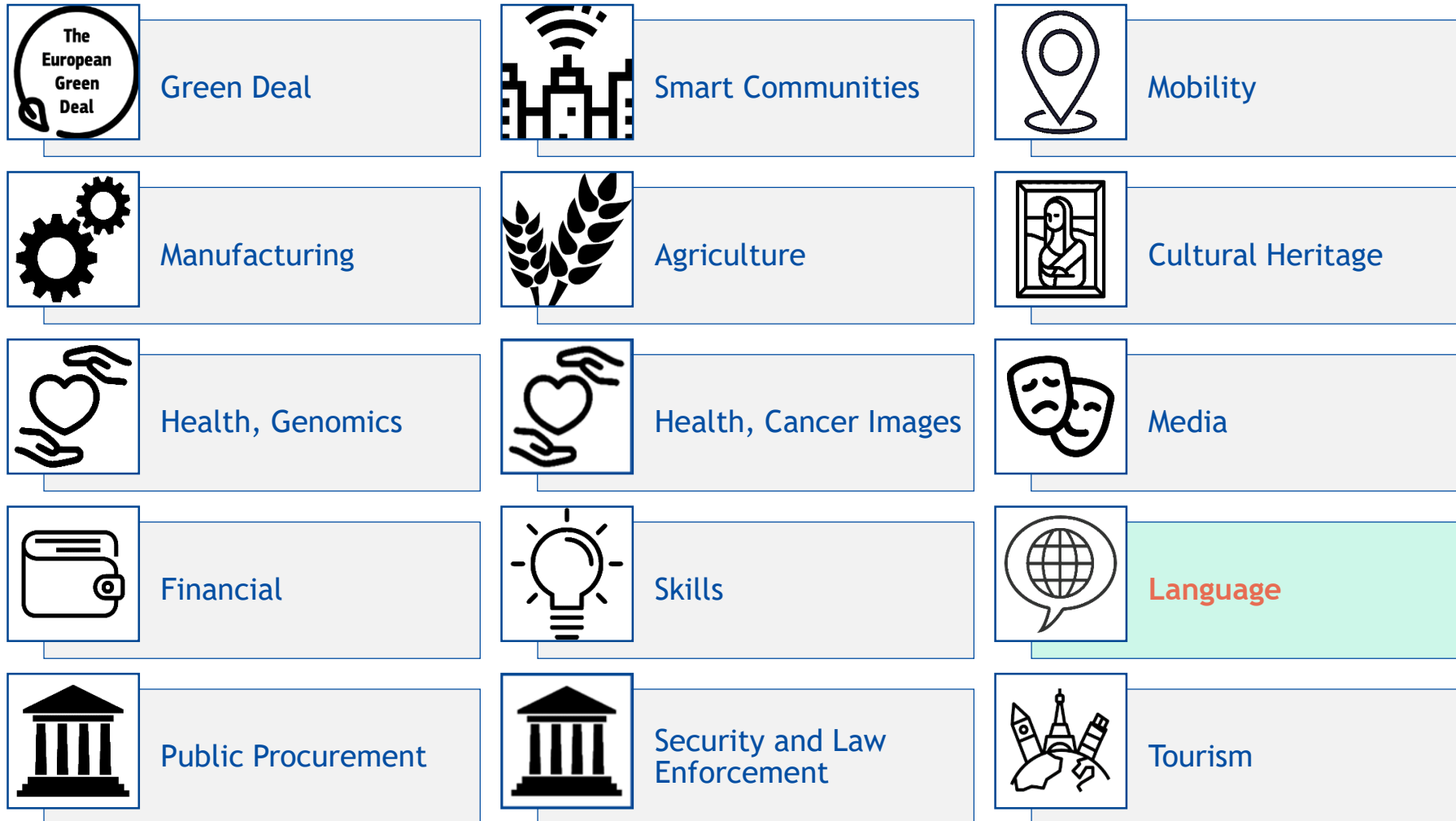
Programme FOCUS  
Building the **strategic digital capacities** of the Union and facilitating the **wide deployment of digital technologies**.

Programme GOAL  
Bridging the **gap between digital technology research and market deployment**, while supporting the **EU twin objectives** of a green transition and digital transformation.

DSs and the LDS are under SO2 'Cloud, Data and AI', whose aim is to drive the *digital transformation* of the *public and private sectors*.



# DIGITAL WP 21-22 Data Spaces at a glance



# European DS Ecosystem – DIGITAL SO2

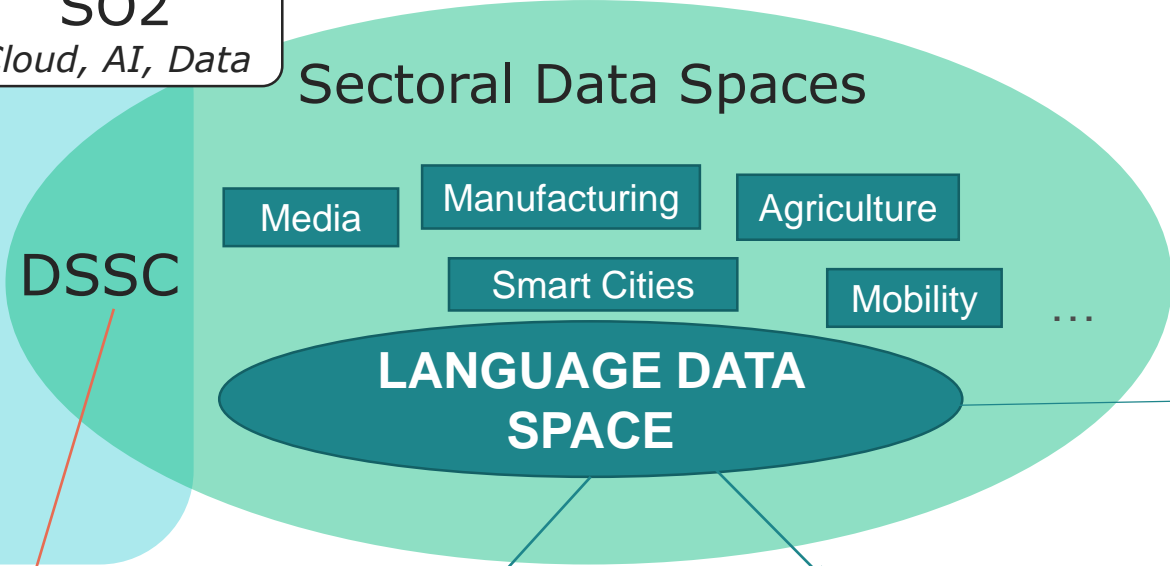
**EDBI - European Data Innovation Board**  
 supporting the EC in issuing guidelines on how to facilitate the development of DSs as well as identifying the relevant standards and interoperability requirements for cross-sector data sharing.

**SO1**  
HPC

**European Data Spaces Technical Framework**  
 consisting of  
 Cloud-to-Edge Infrastructures and Services  
 including

- Smart Middleware Solutions
- Marketplace

**SO2**  
Cloud, AI, Data



**SO4**  
Advanced Skills

**SO3**  
Cyber-security

**DSSC – Data Spaces Support Centre**  
 support all relevant actions on sectoral DSs and their architectures and data infrastructure requirements available for the DSs.

**AI on-demand platform**  
 connecting providers and consumers/users of AI resources.

**TEFs – Testing and Experimentation Facilities**  
 for experimenting with AI-based solutions in real-world environments.

**SO5**  
Best use of Tech  
**Common Services Platform**

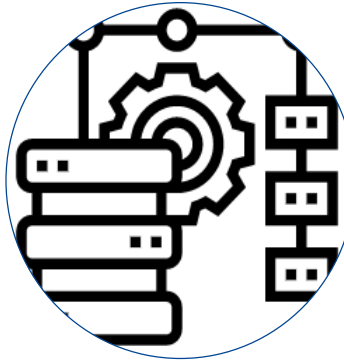
# Design Principles of the LDS



## Data control

For data holders:

- Full control over data at all times;
- Option to change data access rights over time.



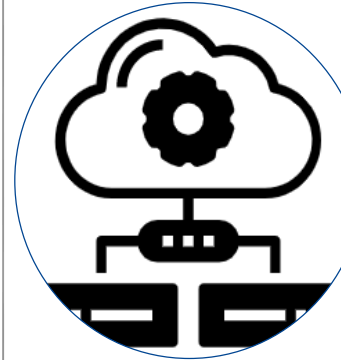
## Governance Framework

- Fair,
- transparent,
- proportionate,
- non-discriminatory access to & sharing/use of data.



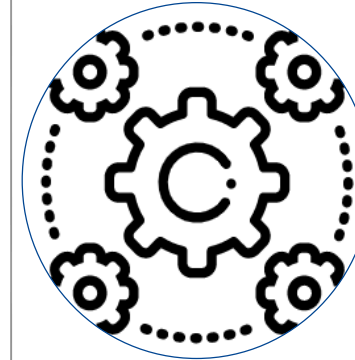
## Respect of EU Rules & Values

- Personal data protection
- Consumer protection legislation
- Competition law



## Technical Data Infrastructure

- Building blocks
- Efficient & coordinated DSs construction



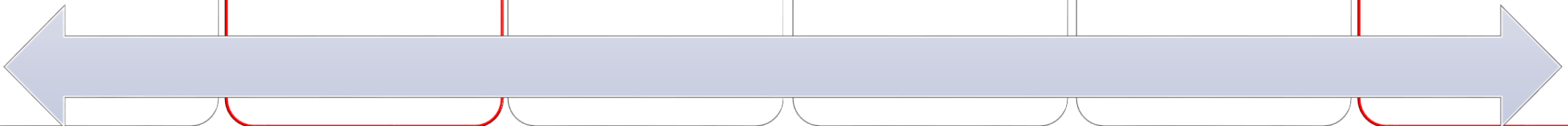
## Interconnection & Interoperability

- Progressive interlinking of DSs
- Aims:*
- Fully integrated ecosystem
  - Cross-exploitation of data



## Openness

- For all actors, organisations or individuals;
- Aims:*
- Fostering competition
  - Avoiding lock-ins



# Financing

## In DIGITAL WP 21-22

Type of Action	PROCUREMENT
Indicative Budget	EUR 6 million
Indicative Time of the Call Opening	June – September 2022
Indicative Starting Date	Early 2023

## In DIGITAL WP 23-24

Planned types of actions: *procurement & grants.*

# LDS Work Strands

1

**Establishing** an institutional Centre of Excellence for Language Technologies (**CELT**)

*Actions:*

## Governance layer

→ to framework the collection, creation, sharing and re-use of **language data & models**, incl. legal aspects.

2

**Deploying** the Language Data Space

## Operational layer

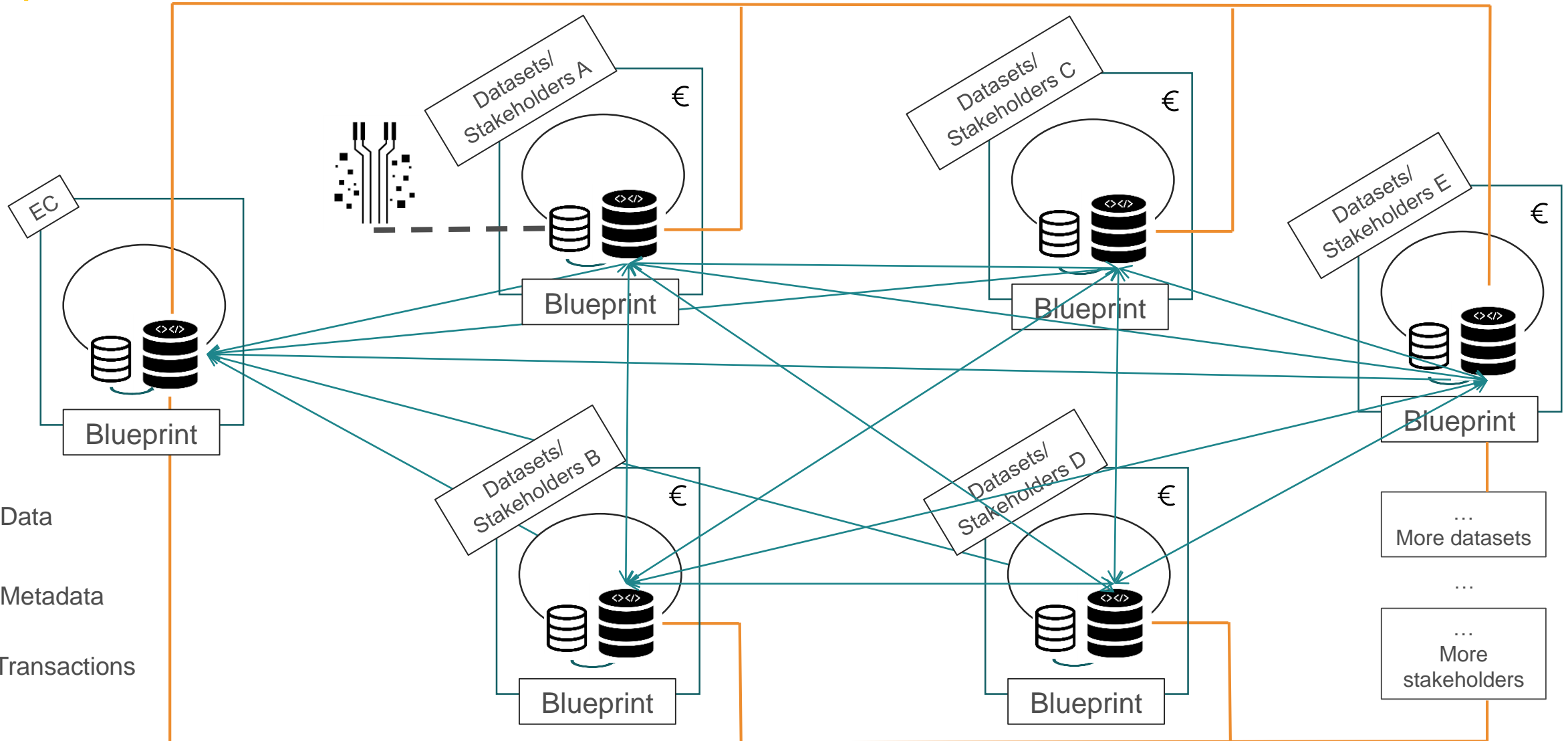
→ to implement the **architecture**;  
→ to promote the **exchange of data**;  
→ to support the deployment of **large multimodal language models** and a wide range of **AI language technology services** through the AI on-demand platform.

# Establishment of the CELT & the CELT+

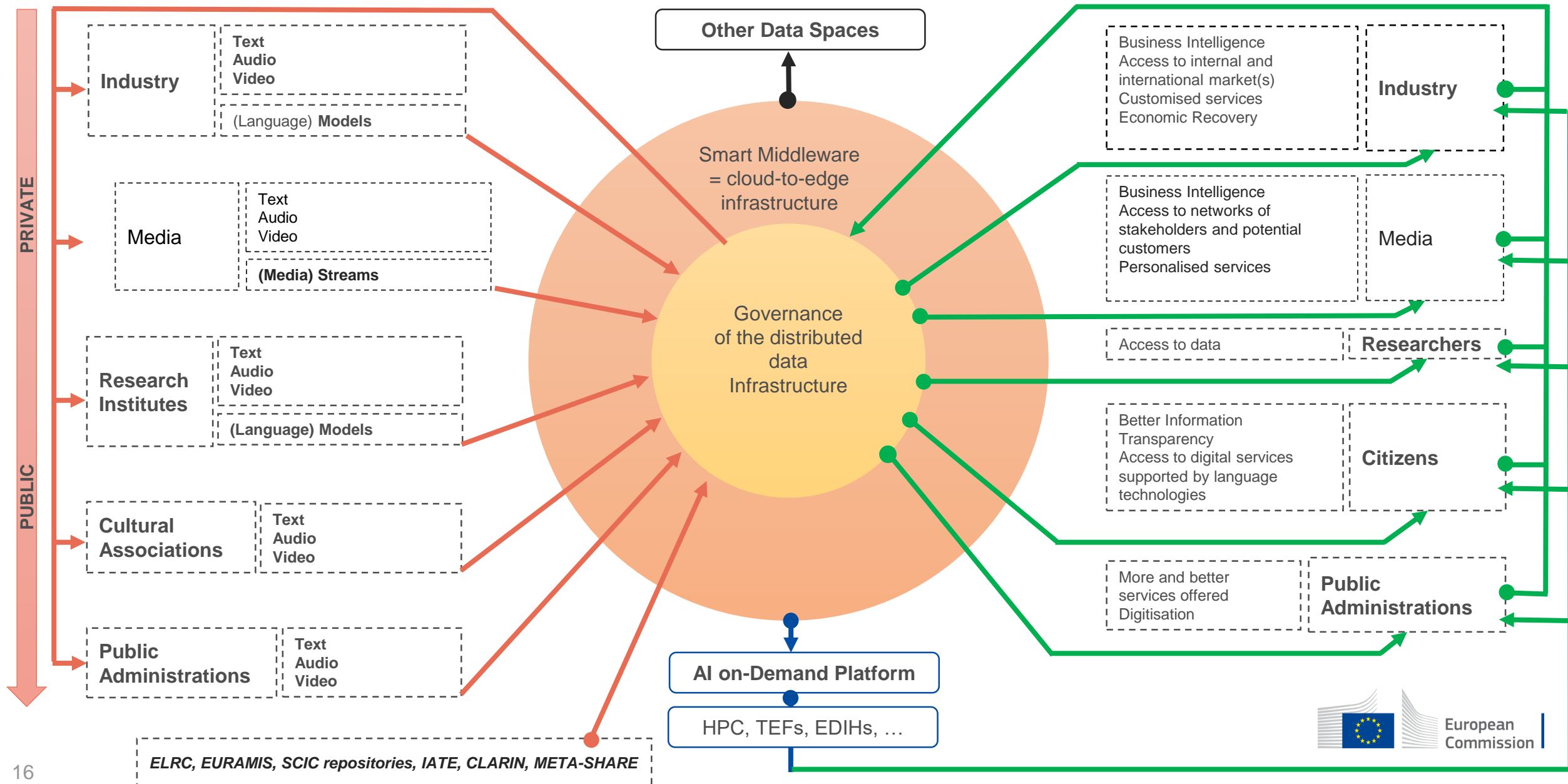
Strategic Level	<p style="text-align: center;"><b>CELT</b></p> <p>Coordinating across the MSs the creation and collection of multimodal language data and models.</p>	Networking	<p>Identifying and bringing together existing European <b>stakeholders/initiatives</b> and <b>language resources</b></p> <ul style="list-style-type: none"> <li>• Datasets and data streams</li> <li>• <u>Large language models</u></li> </ul> <p><i>ELRC, EURAMIS, SCIC repositories, IATE, CLARIN, META-SHARE, etc.</i></p>
Operational level	<p style="text-align: center;"><b>CELT+</b></p> <p>Driven by Industry</p>	Governance	<p>Developing a <b>Multi-Stakeholder Data and Services Governance Scheme</b></p>
		Planning	<p>Elaborating a <b>Blueprint for the Language Data Ecosystem</b> based on existing EU/national legislation, incl. a detailed <b>roadmap</b> on how to deploy the language data space</p>

EC Role: Facilitator

# LDS Distributed Architecture



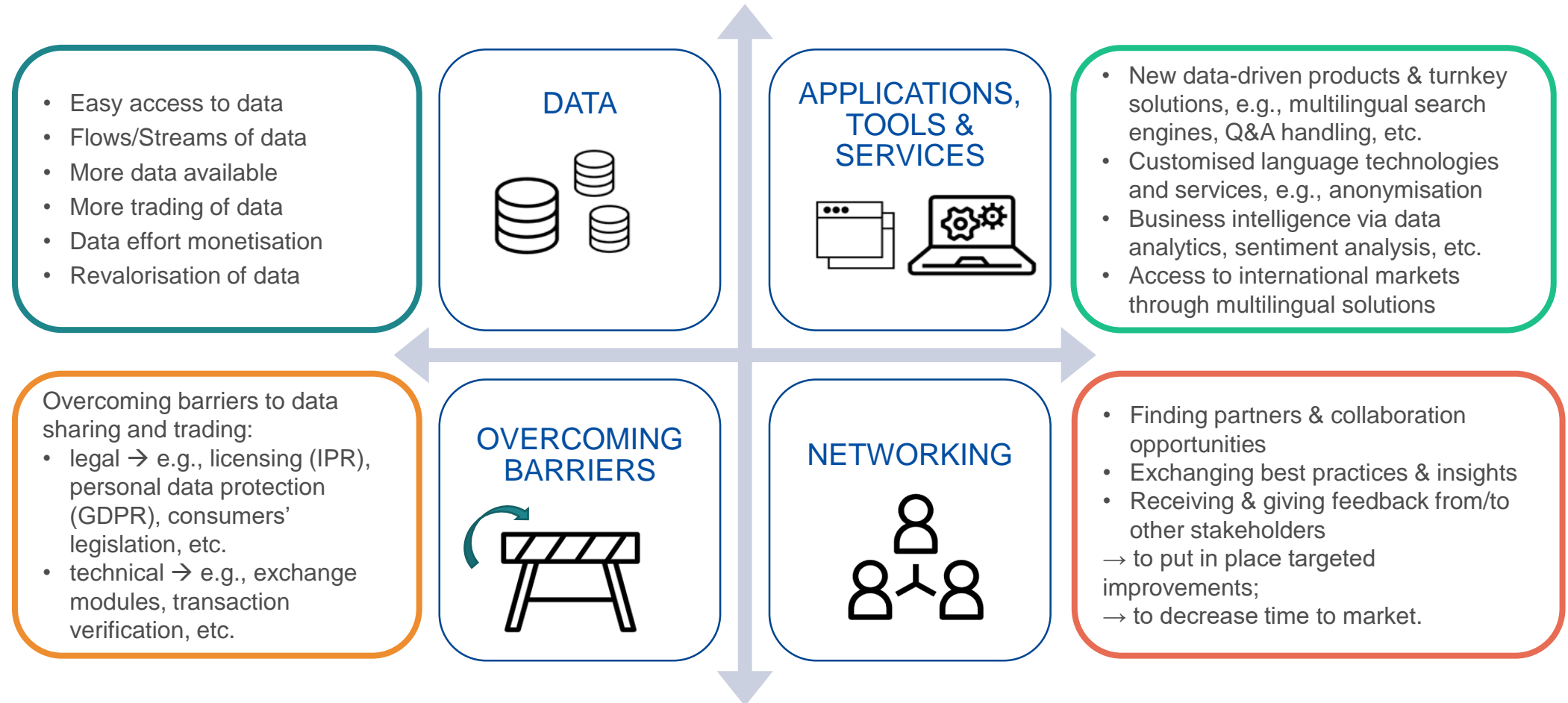
# Stakeholders' Landscape





# Benefits of the LDS

The LDS has been thought to be a **platform and a marketplace** *where the request for language resources and services matches the offer.*



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Any questions  
so far?



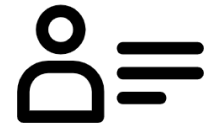
# Tour de table/Exchanges/Q&A

If you have sent us a PPT, **we will share** your slides on screen. If not, on the next slide, there are a couple of **questions** to give your contribution.

Speakers' names will be displayed on screen in **random order**.

Please **speak up** when you see **your name**.

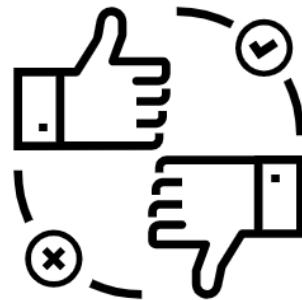
If you have any **questions**, please **feel free to ask** them after each presentation.



# Your Business & Data, Models, Tools, Services & the LDS

## *Some questions*

- What **kind/s** and **amount/s** of **data** do you handle?
  - How are they handled, e.g., in terms of **privacy** and **security**?
  - Do you use any **tools** or **services** based on **language technologies**?
  - Do you use **language models**? If so, what types?
  - What are the **main difficulties** concerning tools, services and models?
- **Pros and cons** of the Language Data Space so far?
- Any **major challenges/risks** connected to the Language Data Space and possible solutions?



***Please feel free to ask  
your own questions!***

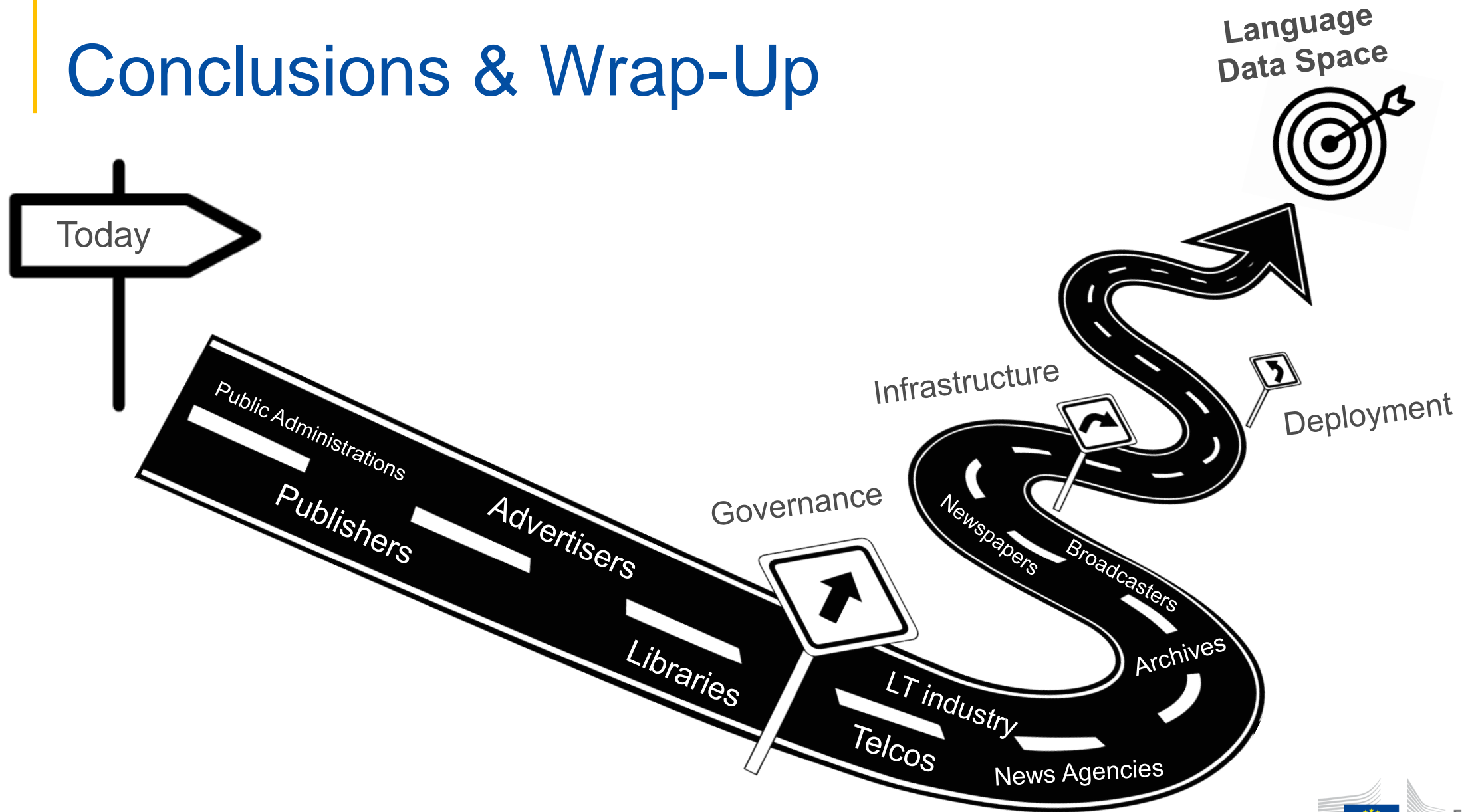
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Any other aspects you would like to mention or any other questions?



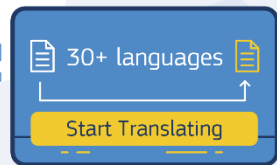
# Conclusions & Wrap-Up



# Thank you very much for sharing your ideas!



For any follow-up questions, remarks and/or queries, please feel free to send us an email at: [CNECT-LANGTECH@EC.EUROPA.EU](mailto:CNECT-LANGTECH@EC.EUROPA.EU)

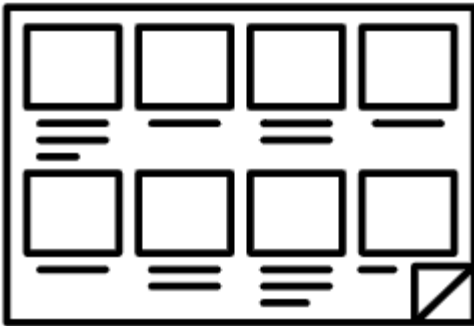


eTranslation

Need eTranslation or other language tools?  
Visit: <https://language-tools.ec.europa.eu/>

# Optional Slides

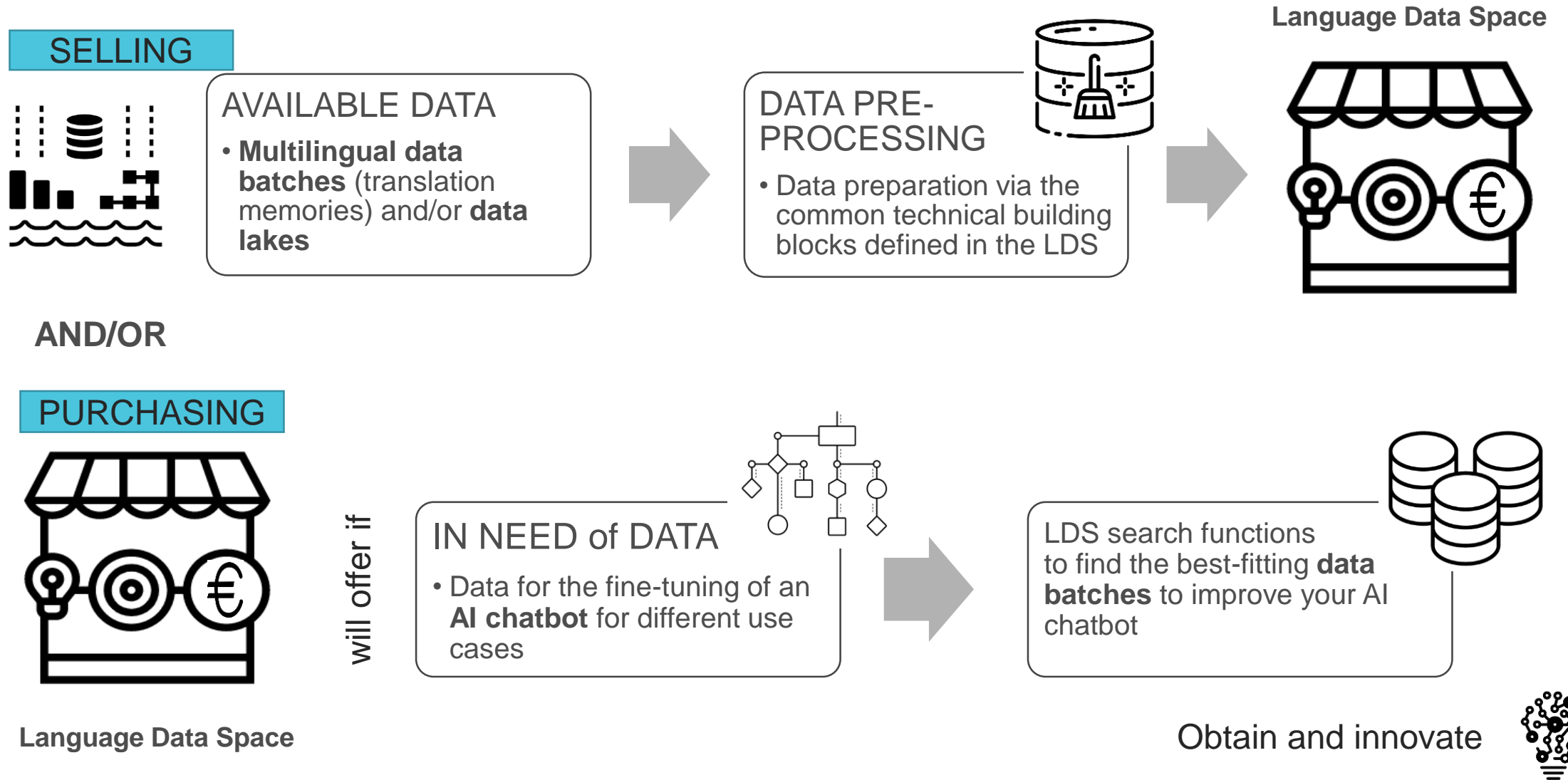
## Examples of Use Cases



- Scenario 1 – Data Sharing
- Scenario 2 – Applications, Tools and/or Models
- Scenario 3 – Services
- Scenario 4 – Data Analytics
- Scenario 5 – Market Exploitation

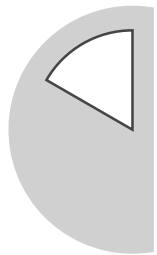


# Specific Benefits: Scenario 1 – Data Sharing



# Specific Benefits: Scenario 2 – Applications, Tools and/or Models

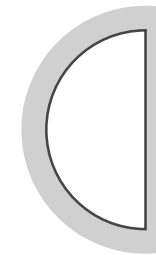
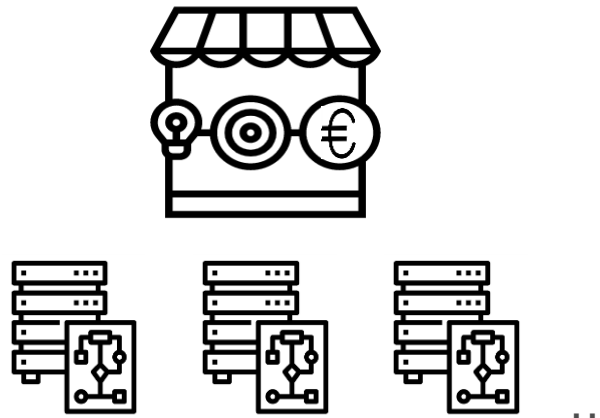
## Automatic Speech Transcription



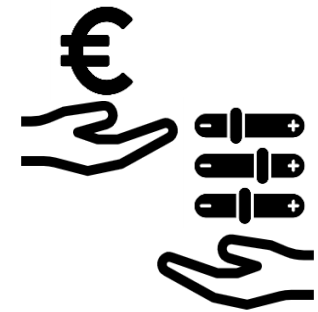
You want to build your own automatic speech transcription workflow to cover different market use cases.



You can go to the LDS and look for algorithms or pre-trained models capable of converting speech or audio into a written format.



You can then improve them and make them available in the LDS marketplace for further business.



# Specific Benefits: Scenario 3 – Services



## Automatic Summarisation as a Service

You can use the LDS to **build or better** any of the following aspects in the automatic summarisation pipeline to offer **a higher-performing service** to new or existing customers:

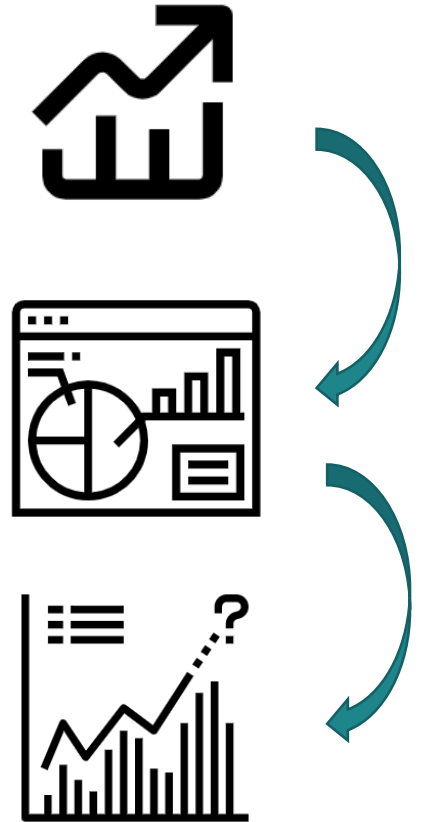
- Single-document versus multi-document summarisation
- Extracts versus abstracts
- Generic versus user-focused summaries
- Indicative versus informative summaries
- Language of summaries
- ...

# Specific Benefits: Scenario 4 – Data Analytics

You have historical and transactional data and need to run predictive analytics on it.

You can go to the LDS and look for a statistical/visualisation library.

You can gain insights from your data and make predictions.



# Specific Benefits: Scenario 5 – Market Exploitation

